EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	(("6249370") or ("6549694") or ("6639722") or ("6002154")).PN.	USPAT; USOCR	OR	OFF	2008/01/16 19:15
S2	0	S1 and pzt	USPAT	OR	OFF	2008/01/16 19:15
S3	100745	actuator$1 and ((height$1 or position$1) with (var$4 or differ$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S4	101	wavefront adj pattern$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S5	1	S1 and (zirconate with titanate)	USPAT	OR	OFF	2008/01/16 19:15
S6	0	modulator and (insulat$3 with layer$1 with substrate$1 with dissipat$3 with heat$3 with electrode$1)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S7	24512	actuator$1 same ((height$1 or position$1) with (var$4 or differ$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S8	17840	diffract$3 with refract$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S9	1	("6249370").PN.	USPAT; USOCR	OR	OFF	2008/01/16 19:15
S10	0	S9 and pzt	USPAT	OR	OFF	2008/01/16 19:15
S11	677	(first with order with diffraction with second) and "359"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S12	91	(insulat$3 with layer$1 with substrate$1 with dissipat$3 with heat$3 with electrode$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S13	1	"20050046921"	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S14	1	S13 and pzt	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15

EAST Search History

S15	1	"20050046921"	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S16	0	S15 and (two with dimension$2 with array$1)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S17	0	S15 and (two with dimension$2)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S18	13915	actuator$1 with ((height$1 or position$1) with (var$4 or differ$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S19	647	actuator$1 with (height$1 with differ$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S20	82	modulator$1 and (benedicto)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S21	1	S9 and zirconate	USPAT	OR	OFF	2008/01/16 19:15
S22	447	actuator$1 with (height$1 with different)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S23	2699	(359/290,291,295,571).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S24	1245	diffract$3 with refract$3 with mirror$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S25	300	diffract$4 with quarter with wavelength$1	USPAT	OR	OFF	2008/01/16 19:15
S26	406	((first with order with diffraction with second) and "359"/$.ccls.) and mirror$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S27	366	(actuator$1 same electrode$1 same (reflect$3 or mirror$1)) and (((359/290,291,295,571).CCLS.) or ((385/18).CCLS.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15

EAST Search History

S28	366	(actuator$1 same electrode$1 same (reflect$3 or mirror$1)) and (((359/290,291,295,571).CCLS.) or ((385/18).CCLS.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S29	0	(PZT or zirconate) with contract$3 with expand$3 with spatial	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S30	0	((PZT or zirconate) with contract$3 with expand$3) same spatial	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S31	1	"20050046921"	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S32	0	S31 and (individual$2 with modulat$3)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S33	2459	modulator$1 same (individual$5 with control$4)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S34	99	(PZT or zirconate) with actuator with (contract$3 or expand$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S35	1708	(385/18).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S36	4293	((359/290,291,295,571).CCLS.) or ((385/18).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S37	1984	(PZT or zirconate) with actuator	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S38	1	("6249370").PN.	USPAT; USOCR	OR	OFF	2008/01/16 19:15
S39	0	S38 and pzt	USPAT	OR	OFF	2008/01/16 19:15
S40	0	S38 and plzt	USPAT	OR	OFF	2008/01/16 19:15
S41	1255	modulator$1 with individual$5 with control$4	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15

EAST Search History

S42	89	modulator$1 same (reflect$3 with curve)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S43	293	(jack with dinh)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S44	63	(insulat$3 with layer$1) with substrate$1 with dissipat$3 with heat$3 with electrode$1	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S45	0	modulator and (insulat$3 with layer$1 with substrate$1 with dissipat$3 with heat$3 with electrode$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S46	4293	((359/290,291,295,571).CCLS.) or ((385/18).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S47	1	S15 and (four with direction$1)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S48	1	S15 and (two)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S49	1	("6,549,694").PN.	USPAT; USOCR	OR	OFF	2008/01/16 19:15
S50	1	S13 and piston$	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S51	1	S15 and (four)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S52	0	S15 and (dimension$2)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S53	1	S13 and (insulating with layer$1)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S54	1	S43 and ((one with two with degree$1).clm.)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S55	1	S31 and (individual$2)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S56	1	("6856449").PN.	USPAT; USOCR	OR	OFF	2008/01/16 19:15
S57	13	((method or process) with (form$3 or mak$3) with (spatial with modulator$1)).ti.	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S58	1	S31 and wavefront	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S59	1	S31 and wavefront$1	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15

EAST Search History

S60	12	((actuator$1 or reflect$3 or mirror$1) with (height$1 with different) with pattern$1) and "359"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S61	33	((method or process) with (us$3) with (spatial with modulator$1)).ti.	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S62	33	actuator$1 same ((height$1 or position$1) with (var$4 or differ$4)) same wavefront$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S63	46	(spatial adj (light$1 or modulator$1)) same actuator$1 same electrode$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S64	35	(wavefront adj pattern$1) and actuator$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S65	8	actuator$1 with (height$1 with different) with pattern$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S66	97	diffract$3 with refract$3 with mirror$1 with wavelength$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S67	27	(diffract$3 with refract$3 with mirror$1 with wavelength$1) and "359"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S68	49	diffract$4 with quarter with wavelength$1 with mirror$1	USPAT	OR	OFF	2008/01/16 19:15
S69	3	(("5735026") or ("5862002") or ("6059416")).PN.	USPAT; USOCR	OR	OFF	2008/01/16 19:15
S70	45	(PZT or zirconate) with actuator with (contract$3 with expand$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15

EAST Search History

S71	7	((PZT or zirconate) with contract$3 with expand$3) same (modulator$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S72	3	S33 and (jack with dinh)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S73	3	S41 and (jack with dinh)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S74	72	modulator$1 and (jack with dinh)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S75	28	modulator$1 with (reflect$3 with curve)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S76	29	modulator$1 with (curve$1 adj mirror$1)	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S77	21	(insulating adj layer$1) with substrate$1 with dissipat$3 with heat$3 with electrode$1	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S78	51	S12 and @ad<="20030829"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S79	31	S44 and @ad<="20030829"	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S80	31	S12 and @ad<="20030829"	US-PGPUB; USPAT	OR	OFF	2008/01/16 19:15
S81	185	(actuator$1 same electrode$1 same (reflect$3 or mirror$1)) and 359/291.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S82	236	(actuator$1 or reflect$3 or mirror$1) with (height$1 with different) with pattern$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15
S83	113	(359/323).CCLS.	USPAT; USOCR	OR	OFF	2008/01/16 19:27
S84	273	((first with order with diffraction with second) and "359"/$.ccls.) and mirror$1	USPAT	OR	OFF	2008/01/16 19:15
S85	1372	S46 and @pd>="20050701"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/16 19:15

EAST Search History

S86	1507	(359/223,224).CCLS.	USPAT; USOCR	OR	OFF	2008/01/16 19:36
S87	470	(359/320,322,323).CCLS.	USPAT; USOCR	OR	OFF	2008/01/16 19:28

INTERFERENCE **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	17230	(modulator$1).clm.	US-PGPUB	OR	OFF	2008/01/16 19:39
L2	59	(modulator$1 with wavefront$1).clm.	US-PGPUB	OR	OFF	2008/01/16 19:39
L3	2	(modulator$1 with wavefront$1 with substrate$1).clm.	US-PGPUB	OR	OFF	2008/01/16 19:39
L4	0	(modulator$1 with wavefront$1 with substrate$1 with electrode$1).clm.	US-PGPUB	OR	OFF	2008/01/16 19:39

EAST Search Results Case No. 10/651,048

US 5735026 A	USPAT	Method for the manufacture of an electrodisplacive actuator array	29/25.35
US 5862002 A	USPAT	Electrostrictive actuated mirror array and method for the manufacture thereof	359/846
US 20030138213 A1	US-PGPUB	Optical systems comprising curved MEMs mirrors and methods for making same	385/47
US 5493623 A	USPAT	PZT fiber optic modulator having a robust mounting and method of making same	385/12
US 6844920 B2	USPAT	Exposure device and method for compensating optical defects	355/67
US 6249370 B1	USPAT	Display device	359/291
US 6059416 A	USPAT	Actuated mirror array and method for the fabricating thereof	359/850
US 6856449 B2	USPAT	Ultra-high resolution light modulation control system and method	359/298
US 6512625 B2	USPAT	Light modulation device and system	359/290
US 6002154 A	USPAT	High-frequency MOSFET	257/349
US 6549694 B2	USPAT	Optical switching element, switching apparatus and image display apparatus using optical switching element	385/18
US 6535187 B1	USPAT	Method for using a spatial light modulator	345/84
US 6980197 B2	USPAT	Integrated driver for use in display systems having micromirrors	345/108
US 20050046921 A1	US-PGPUB	Spatial light modulator using an integrated circuit actuator and method of making and using same	359/291
US 6639722 B2	USPAT	Stress tuned blazed grating light valve	359/571
US 6747775 B2	USPAT	Detunable Fabry-Perot interferometer and an add/drop multiplexer using the same	359/238
US 6600591 B2	USPAT	Micromirror array having adjustable mirror angles	359/291
US 6665109 B2	USPAT	Compliant mechanism and method of forming same	359/290
US 5611941 A	USPAT	Method for forming a ferroelectric liquid crystal spatial light modulator utilizing a planarization process	216/23

NPL SEARCH HISTORY

Dialog DataStar

options | logoff | feedback | help

databases | easy search

Advanced Search:

Inspec - 1898 to date (INZZ)

limit

Search history:

No.	Database	Search term	Info added since	Results	
CP		[Clipboard]		0	-
1	INZZ	modulat$3 SAME wavefront$1	unrestricted	760	show titles
2	INZZ	modulat$3 SAME wavefront$1 SAME actuator$1 SAME electrode$1	unrestricted	0	-

hide | delete all search steps... | delete individual search steps...

Enter your search term(s): Search tips ☐ Thesaurus mapping

whole document

Information added since: or: none
(YYYYMMDD)

search

☐ Images

Click to select terms from the following list(s):

- Publication year 1950-
- Publication year 1898-1949
- Inspec thesaurus - enter a term
- Classification codes A: Physics, 0-1
- Classification codes A: Physics, 2-3
- Classification codes A: Physics, 4-5
- Classification codes A: Physics, 6
- Classification codes A: Physics, 7
- Classification codes A: Physics, 8
- Classification codes A: Physics, 9
- Classification codes B: Electrical & Electronics, 0-5